CLAIMS

1. A computer-implemented method for asset management, the computer-implemented method comprising:

receiving, from a target user having an account recorded in a distributed database of a blockchain network, a user input comprising a request to update a status of a target object that was transferred among a plurality of holders;

determining a contract object associated with the target object, the contract object being published in the blockchain network and corresponding to an asset type of the target object, wherein the target object was created using the contract object, and wherein the contract object comprises a list of member users with an update permission for the target object;

determining, based on the contract object, that the target user is a current holder of the target object and is included in the list of member users with the update permission for the target object; and

in response to determining that the target user has the update permission for the target object, performing a status update on the target object by invoking the contract object.

2. The computer-implemented method according to claim 1, wherein an authentication program corresponding to the update permission for the target object is stated in the contract object.

3. The computer-implemented method according to claim 2, further comprising:

performing permission authentication on the target user by invoking the authentication program stated in the contract object corresponding to the asset type of the target object, and determining that the target user is a member user with update permission for the target object if permission authentication succeeds.

4. The computer-implemented method according to claim 1, wherein the list of member users with update permission for the target object is stated in the contract object.

5. The computer-implemented method according to claim 4, wherein determining, based on the contract object, that the target user is included in the list of member users with the update permission for the target object comprises:

verifying whether the target user matches a member user in the list, and determining that the target user is a member user with update permission for the target object if the target user matches the member user in the list.

6. The computer-implemented method according to claim 3, wherein the list of member users is a public key list of the member users with update permission for the target object, and the request is signed by the target user based on a held private key.

7. The computer-implemented method according to claim 6, wherein verifying whether the target user matches the member user in the list of member users comprises:

performing authentication on a signature of the request based on a public key in the public key list, and determining that the target user matches a member user in the list if authentication succeeds.

8. The computer-implemented method according to claim 1, wherein an execution program used to perform the status update on the target object is stated in the contract object.

9. The computer-implemented method according to claim 8, wherein performing the status update on the target object by invoking the contract object comprises:

performing the status update on the target object by invoking the execution program stated in the contract object.

10. The computer-implemented method according to claim 9, wherein objects supported by the blockchain network comprise an account object, the contract object, and an asset object, and wherein the object supported by the blockchain network comprises a status field, and the status field is used to maintain status information of the object.

11. The computer-implemented method according to claim 10, wherein performing the status update on the target object by invoking the execution program stated in the contract object comprises:

performing a status update on the target object by invoking the execution program stated in the contract object and adding status information of the target object that is comprised in the request to a status field in the target object.

12. The computer-implemented method according to claim 11, wherein the contract object supported by the blockchain network further comprises a code field, and the code field is used to maintain execution code related to an execution program stated in the contract object.

13. The computer-implemented method according to claim 1, wherein the blockchain network is a consortium blockchain, and a target member in the blockchain network is a consortium member with asset object creation permission in the consortium blockchain.

14. The computer-implemented method according to claim 1, further comprising:

in response to the request, verifying whether the target user is a publisher of the contract object that is published in the blockchain network and corresponds to an asset type of the target object, wherein the target object is created by invoking the contract object; and

performing a status update on the target object by invoking the contract object if the target user is a member user who publishes the contract object.

15. An apparatus for asset management, the apparatus comprising a plurality of modules configured to perform the computer-implemented method of any one of claims 1 to 14.